

Center for Applied Plant Sciences and Arabidopsis Biological Resource Center Education, Outreach and Engagement

Purpose

Our Centers' Education, Outreach and Engagement programs have been developed with the goal to teach students, educators and researchers how to utilize plants as a solution to global challenges.

The collection of CAPS initiatives mirrors our mission of bridging the gap between basic and applied science through the creation of interdisciplinary Teams, by fostering synergistic experiences. ABRC has expanded their community reach, to go beyond being a central repository for Arabidopsis research resources, with the construction of their K12+ educational kits. These kits provide an all-in-one translation of Arabidopsis research to hands-on experiments.

Impact

Through the CAPS TPS Graduate Program, SiGuE, Seminar Series, Science Sundays, Morning Gatherings, Practical Summer Workshop in Functional Genomics and Tripartite Collaborative; we support a strong international network of people who believe in Team science and crave platforms to interact.

The 3rd Functional Genomics Workshop, for example, will host 30 participants for two weeks of concentrated lab work, accompanied by eleven seminars given by world-renowned experts in their plant research fields.

ABRC has designed and acquired eighteen different K12+ educational kits that can be ordered online free of charge. Over 600 orders for kits have been placed in three years by users within the USA and from fifteen other countries.

Ohio State Colleges/Units Involved

College of Arts and Sciences
College of Food, Agricultural and Environmental Sciences
Center for Applied Plant Sciences
Arabidopsis Biological Resource Center
Ohio Agricultural Research and Development Center (OARDC)
Breakfast of Science Champions (STEM)
Biological Sciences Greenhouse
OSU Center for Life Sciences Education (CSLE)
OSU The Partnership for Research and Education in Plants (PREP)
Planting Science

Community Partners Involved

Columbus City Schools
Science of Agriculture
4-H
Science Sundays



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